

SPECIAL SEMESTER II, 2017/2018
LSM4263 – FIELD STUDIES IN BIODIVERSITY

Prerequisite: *Life Sciences Major or Bachelor of Environmental Studies (BES) Third Year Student who are qualified for Honours with CAP of at least 3.20*

Workload: *12 lecture hours + 3 tutorial hours + 10 field practical hours + 7 day field course*

LSM4263 will introduce students to field biology, conservation issues, the basic techniques involved, sampling design and basic data gathering and data management. From field practicals, students will experience and encounter tropical environs and habitats, namely coastal, mangrove, primary and secondary forest. A 7 day field course is incorporated and will be conducted in Pulau Tioman, Malaysia. There students, who will be divided into small groups, will conduct either 4 mini-projects in 4 separate habitats or 1 major project in a chosen habitat, under the supervision of experienced field-orientated teaching assistants. This module will involve overseas exchange students as well as NUS Life Science students.

S/N	Topics	Lecture (+ tutorial) hours
1.	Introduction to Field Studies in Biodiversity and the tales of two islands [20 Jun 1200–1430hr LT31]	2.5
2.	Tropical ecosystems [21 Jun 1200–1430hr LT31]	2.5
3.	Visit to the Lee Kong Chian Natural History Museum [23 Jun 1000–1200hr]	2
4.	Biogeography and island life: Pulau Tioman [27 Jun 0900–1130hr LT31]	2.5
5.	Sungei Buloh Wetland Reserve—field practical [28 Jun 0900–1300hr]	4
6.	Sampling design and scientific writing [30 Jun 0900–1130hr LT31]	2.5
7.	Confessions of a field biologist [3 Jul 0900–1130hr LT31]	2.5
8.	Bukit Timah Nature Reserve—field practical [5 Jul 0900–1300hr]	4
9.	Field studies review and survival [5 Jul 1430–1700hr LT31]	2.5
10.	Field course conducted at Pulau Tioman [6–12 Jul]	7 days
11.	Field store clearance [14 Jul 0900–1030hr LS Lab7]	
12.	Oral presentation, exchange and local students [21 Jul 1200–1700hr LT31]	
13.	Report assignment submission [27 Jul 1700hr]	

MODE OF ASSESSMENT: Oral presentation (for all students), report assignments (only for local students and UC students)

MODULE CO-ORDINATORS/LECTURERS:

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